Claims

[-1]

[C1]	A method for protecting an electrical device, said method comprising the steps
	of:
	monitoring a line voltage to detect a high voltage condition such that the
	voltage is above a predetermined voltage range;
	monitoring the line voltage to detect a low voltage condition such that the
	voltage is below the predetermined range; and
	electrically isolating the electrical device such that the electrical device does not
	receive electricity when at least one of a high voltage condition and a low
	voltage condition is detected.

- [c2] A method according to Claim 1 further comprising the step of monitoring the line voltage after electrically isolating the electrical device.
- [c3] A method according to Claim 2 further comprising the step of restoring power to the electrical device when the line voltage is within the predetermined voltage range.
- [c4] A method according to Claim 1 further comprising the step of providing a visual indication that the line voltage is being monitored.
- [c5] A method according to Claim 1 further comprising the step of providing a visual indication that a low voltage condition is detected.
- [c6] A method according to Claim 1 further comprising the steps of:

 providing a visual indication when a low voltage condition is detected; and
 providing a visual indication when a high voltage condition is detected.
- [c7] A method according to Claim 3 further comprising the step of providing a visual indication when a low voltage condition is detected.
- [c8] A method according to Claim 3 further comprising the steps of:

 providing a visual indication when a low voltage condition is detected; and
 providing a visual indication when a high voltage condition is detected.
- [c9] A method according to Claim 1 wherein said step of monitoring the line voltage

comprises the step of providing a visual indication when the line voltage is being tested.

- [c10] A circuit for protecting an electrical device, said circuit configured to:
 monitor a line voltage to detect a voltage above a predetermined voltage range;
 monitor the line voltage to detect a voltage below the predetermined range; and
 electrically isolate the electrical device such that the electrical device does not
 receive electricity when at least one of a voltage above the predetermined
 voltage range and a voltage below the predetermined range is detected.
- [c11] A circuit according to Claim 10 further configured to monitor the line voltage after electrically isolating the electrical device.
- [c12] A circuit according to Claim 11 further configured to restore power to the electrical device when the line voltage is within the predetermined voltage range.
- [c13] A circuit according to Claim 10 further configured to provide a visual indication of the monitoring of the line voltage.
- [c14] A circuit according to Claim 10 further configured to provide a visual indication when a voltage below the predetermined voltage range is detected.
- [c15] A circuit according to Claim 10 further configured to:

 provide a visual indication when a voltage below the predetermined voltage range is detected; and provide a visual indication when a voltage above the predetermined voltage range is detected.
- [c16] A circuit according to Claim 12 further configured to provide a visual indication when a voltage below the predetermined voltage range is detected.
- [c17] A circuit according to Claim 12 further configured to:

 provide a visual indication when a voltage below the predetermined voltage range is detected; and

 provide a visual indication when a voltage above the predetermined voltage

range is detected.

[c18] A circuit according to Claim 10 further configured to provide a visual indication when the line voltage is being tested.

[c19] A circuit according to Claim 17 further configured to provide a visual indication when the line voltage is being tested.

[c20] A circuit for protecting an electrical device, said circuit configured to:
monitor a line voltage to detect a high voltage condition such that the voltage is
above a predetermined voltage range;
monitor the line voltage to detect a low voltage condition such that the voltage
is below the predetermined range;
electrically isolate the electrical device such that the electrical device does not
receive electricity when at least one of a high voltage condition and a low
voltage condition is detected;
monitor the line voltage after electrically isolating the electrical device to detect
a voltage within the predetermined range;
restore power to the electrical device when the line voltage is detected to be
within the predetermined voltage range;
provide a visual indication when a low voltage condition is detected; and

provide a visual indication when the line voltage is being tested.